

MATERIAL SAFETY DATA SHEET

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) Plumber's All-Purpose Adhesive Sealant
 Item No.: 25826
 Product Type: Adhesive

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
TOLUENE*	108-88-3	40-45
Thermoplastic rubber	113569-15-6	20-25
Aromatic hydrocarbon resin	9017-21-4	15-20
Polyalicyclic resin	Proprietary	15-20
n-HEXANE*	110-54-3	5-10

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
TOLUENE	50 ppm, skin	100 ppm	None
Aromatic hydrocarbon resin	188 mg/M3 skin 10mg/m3(Inhal)	375mg/M3 15 mg/m3(Total)	None
n-HEXANE	3mg/m3 (Resp) 50 ppmTWA(skin)	5 mg/m3(Resp) 500 ppm TWA 1800 mg/M3	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
TOLUENE	None	150 ppm 560mg/M3	

3. HAZARDS IDENTIFICATION

Toxicity: May irritate eyes and skin. May cause temporary corneal damage. May irritate upper respiratory tract if inhaled. Inhalation of very high concentrations may cause unconsciousness or death. Chronic exposure may cause anemia, decreased blood cell count, and bone marrow hypoplasia. May cause abdominal spasms if swallowed. Aspiration of material into the lungs may cause pneumonitis, which may be fatal. Animal studies have shown that exposure may cause weight gain, ovary weight reduction, increased liver weight, and testicular immaturity.

Primary Routes of Entry: Skin, inhalation, ingestion, eyes.

Signs and Symptoms of Exposure: Fatigue, confusion, headache, nausea, dizziness, drowsiness, difficulty in breathing, chest pains, lung irritataion, edema (which can be fatal), respiratory failure, narcosis, nervous system depression, coughing, vomiting, gastrointestinal disturbances and irritation, coma, asphyxia. Skin redness, burning, drying, cracking. Other symptoms may include nasal and throat irritation, metallic taste, muscle weakness, euphoria, exhaleration, lightheadedness, confusion diarrhea.

Existing Conditions Aggravated by Exposure: Skin disorders, impaired liver or kidney functions, respiratory system disease, pulmonary disease, lung disorders, central nervous system disorders, peripheral nervous system disorders, vision defects, memory diminution, alcoholism.

LOCTITE CORPORATION

1001 TROUT BROOK CROSSING
ROCKY HILL, CT 06067-3910
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Product Name:
Item No.:

Loctite(R) Plumber's All-Purpose Adhesive Sealant
25826

3. HAZARDS IDENTIFICATION

(continued)

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
TOLUENE	BEH CAR CNS DEV EAR IRR	NO	NO	NO
Thermoplastic rubber	No Data	NO	NO	NO
Aromatic hydrocarbon resin	No Data	NO	NO	NO
Polyalicyclic resin	No Data	NO	NO	NO
n-HEXANE	DEV IRR LUN NER REP	NO	NO	NO

Abbreviations

BEH Behavioral	CAR Cardiac
CNS Central nervous system	DEV Developmental
EAR Ear	IRR Irritant
LUN Lung	NER Nervous System
REP Reproductive	

4. FIRST AID MEASURES

Ingestion:	Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation:	Remove to fresh air. If symptoms persist, obtain medical attention.
Skin Contact:	Wash with soap and water.
Eye Contact:	Flush eyes with water for at least 15 minutes. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point:	9°F	Method: Tag Closed Cup
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical	
Special Firefighting Procedures:	NIOSH/MSHA approved self contained breathing apparatus with full piece operated in pressure demand or other positive pressure mode.	
Hazardous Products formed by Fire or Thermal Decomp	Irritating organic vapors, oxides of carbon, hydrocarbons, acrolein, acids, ketones, aldehydes.	
Unusual Fire or Explosion Hazards:	Vapors can flow considerable distances along surfaces to distant ignition sources and flash back	
Explosive Limits:		
(% by volume in air) Lower	Toluene: 1.27%	
(% by volume in air) Upper	Hexane: 1.0%	
	Toluene: 7.1%	

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak:	Remove sources of ignition. Maintain adequate ventilation. Soak up with an inert absorbent. Store in a closed container until disposal.
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7. HANDLING AND STORAGE

Safe Storage:	Store away from sources of ignition. Keep containers closed when not in use. Avoid exposure to direct sunlight.
(Contact Loctite Customer Handling:	Service 1-800-243-4874 for shelf life information) Avoid skin contact. Keep away from eyes. Avoid inhalation of vapors. Do not use near sources of ignition. Ground metal containers during use.

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8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Rubber or plastic gloves.
Ventilation: Sufficient to maintain vapor concentration below
TLV. Ventilation should be explosion proof.
Respiratory: NIOSH/MSHA approved respirator.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear gel
Odor: Solvent
Boiling Point: 151-232°F
pH: Does not apply
Solubility in Water: Negligible
Specific Gravity: 0.9074
Volatile Organic Compound
(EPA Method 24) 48.1%; 437 grams per liter
Vapor Pressure: Not available
Vapor Density: More than 1
Evaporation Rate
(Ether = 1) More than 1

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Strong oxidizers, acids.
Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of
disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste
Number D001/F005 - Hazardous waste per 40CFR 261.21 and
261.31/Toluene

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Consumer Commodity (Not more than one liter);
Adhesives (More than one liter)
Hazard Class or
Division: ORM-D (Not more than one liter);
Class 3, Packing Group II (More than one liter)
Identification Number: None (Not more than one liter);
UN 1133 (More than one liter)
Marine Pollutant: None
IATA
Proper Shipping Name: Consumer Commodity (Not more than 500 ml);
Adhesives (More than 500 ml)
Class or Division: Class 9 (Not more than 500 ml);
Class 3, Packing Group II (More than 500 ml)
UN or ID Number: ID 8000 (Not more than 500 ml);
UN 1133 (More than 500 ml)

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15. REGULATORY INFORMATION

CA Proposition 65: WARNING: This product contains a chemical known to
the State of California to cause birth
defects or other reproductive harm.
Toluene

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 2
Fire Hazard: 3
Reactivity Hazard: 0
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 2*
Flammability Hazard: 3
Reactivity Hazards: 0
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

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Revision Date: (860) 571-5100
January 26, 1999 Revision: 0006